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P-151

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23 July 1954

MEMORANDUM FOR: THE RECORD

SUBJECT : [] Project Monitor
on P-151, Binary Compound Research

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1. Time and Place of Meeting: 22 July 1954 in Room 114, Library of Congress Annex.

2. Attendance:

[]

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3. Purpose: to discuss progress of the work initiated at the last meeting, 26 May 1954.

[]

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4. Discussion:

a. [] Paper Survey

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1) As was decided in the last meeting, [] has started work on a library research and survey program based on the following subjects described in the Memorandum for the Record of 21 June 1954:

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Infrared Detectors
Infrared Sources
Image Converters and Infrared Sensitive Phosphors
Time Delay Devices
Power Sources
Power Storage
Infrared Communication Systems (atmospheric windows)

Presently, a tentative introduction has been completed in first draft and a section covering photo-multipliers has been dictated and forwarded [] for typing.

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2) It was decided in response to [] questions that all points uncovered by him pertinent to the fields covered by the outline should be included in the survey. In order to avoid excessive amounts of material being included, brief mention should be made of all items of equipment or bits of research not presently applicable to APD needs. APD's general requirements for equipment - small size, weight and power have been described to [] More

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DATE: 246/80 REVIEWER: 010956

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detailed descriptions of our infrared devices needs have also been made. APD's need for an accurate, temperature-insensitive, cheap time delay has been mentioned.

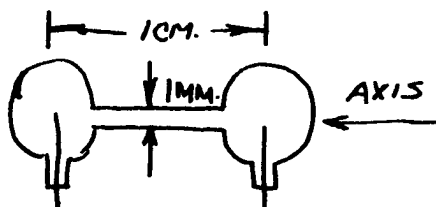
3) It was agreed that weekly meetings will be held with [] while he is in Washington working on the survey. Such meetings will facilitate limiting the size and content of the survey.

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2) [] was requested to negotiate to obtain one of the small cesium arcs described by him.

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Cesium - argon vapor

Source viewed along axis
Starting volts about 400
Voltage in operation about 40

c. IR Triggering System

No work has been done on the triggering system because of clearance delays. A corner reflector and XRX-30 filter have been supplied to [] for use in the model of the system.

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5. Actions:

a. APD will:

- 1) Check the [] clearance situation
- 2) Have weekly meetings with [] on his survey work

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b. [] will:

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1) Determine details for obtaining small cesium arc and if possible obtain one sample. [] was instructed to purchase the arc provided the cost was not greater than \$100.00)

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Distribution:

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